PATENT COOPERATION TREATY

From the RECEIVING OFFICE			PCT
To: Schreiner, Siegfried ROCHE DIAGNOSTICS GMBH Patent Department (TR-E) Postfach 11 52 D-82372 Penzberg ALLEMAGNE	Parent Department F	APPLICAT S GmbH INTERN Penzberg	ON OF THE INTERNATIONAL ION NUMBER AND OF THE IATIONAL FILING DATE (PCT Rule 20.5(c))
		(day/month/year)	2 2. 04. 2005
Applicant's or agent's file reference 22393 WO-WJ		IMPORT	FANT NOTIFICATION
International application No. PCT/EP2005/003348	International filing date 31/03		Priority date (day/month/year) 01/04/2004
Applicant F. HOFFMANN-LA ROCHE A	G et al.		
Title of the invention			
3. Other:			
* The International Bureau monitors the (with Form PCT/IB/301) of its receipt the priority date, the International Bur Name and mailing address of the Receivin European Patent Office, P.B. NL-2280 HV Rijswijk Tel. (+ 31-70) 340-2040	Should the record copy reau will notify the applica	not have been received	

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT/EP 2005 / 0 0 3 3 4 8

3 1 MAR 2005

3 1 03 2005

International Filing Date

EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference (if desired) (12 characters maximum) 22393 WO-WJ

Box No. I	TITLE OF INVENTION	winsiding 0.4.6	: triange			
Pharmac	eutical compositions of py	ynmiaine-2,4,6 	o-mones			
Box No. II	APPLICANT	This person	is also inventor			
The address mi	dress: (Family name followed by given ust include postal code and name of cour cant's State (that is, country) of residenc	ntry. The country of th	e address indicated	in this	Telephone No. +41 61 688	8 11 11
	ann-La Roche AG			,	Facsimile No.	
	herstrasse 124				+41 61 688	8 13 95
CH-4070) Basel				Teleprinter No.	
CH					Applicant's regi	stration No. with the Office
State (that is,	country) of nationality:		State (that is, c	ountry)	of residence:	
This person i		all designated the United St	l States except ates of America		the United States of America only	the States indicated in the Supplemental Box
Box No. III	FURTHER APPLICANT(S)	AND/OR (FURT	IER) INVENTO	R(S)		
The address mi Box is the appli Universi	dress: (Family name followed by given ust include postal code and name of cour cant's State (that is, country) of residenc té de Liège .n Beneden, 25 Liège	ntry. The country of th	ne address indicated	l in this	invento marked,	nt only nt and inventor r only (If this check-box is , do not fill in below.) stration No. with the Office
State (that is,	country) of nationality:		State (that is, c	ountry)	of residence:	
This person i	is applicant all designated sees of:	all designated the United St	d States except lates of America		the United States of America only	the States indicated in the Supplemental Box
X Furthe	er applicants and/or (further) inven	tors are indicated o	n a continuation	sheet.		
Box No. IV	AGENT OR COMMON REF	PRESENTATIVE	OR ADDRESS	FOR	CORRESPOND	ENCE
The person i	dentified below is hereby/has beer ant(s) before the competent Intern	n appointed to act o ational Authorities	n behalf as:	X	agent	common representative
Name and ad	ddress: (Family name followed by given The address must include posto	name; for a legal enti al code and name of c	ty, full official desig ountry.)	nation.	Telephone No. (08856) 60	3405
	INER, Siegfried				Facsimile No.	-
3	Diagnostics GmbH Department (TR-E)				(08856) 60	3451
Postfact	•		•		Teleprinter No.	
	2 Penzberg				Agent's registrat	tion No. with the Office
DE						
Addre space	ess for correspondence: Mark thi above is used instead to indicate a	s check-box where special address to	no agent or community	non rep dence s	oresentative is/has hould be sent.	been appointed and the

Sheet	No			2	•	
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Continuation of Box No. III FURTHER APPLICANT(S) A If none of the following sub-boxes is used, this sheet should not	,	,
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence and BARTSCH, Pierre Av. E. Digneffe, 60 B-4000 Liège BE	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: BE	State (that is, country, BE) of residence:
This person is applicant all designated all designated the United States	States except ates of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is no State of the CATALDO, Didier Rue Vaux, 363 B-4870 Trooz BE	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: BE	State (that is, country, BE) of residence:
This person is applicant all designated for the purposes of:	States except ates of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entitue address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: DE	State (that is, country,) of residence:
	States except ates of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entit. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is the applicant of the Country of the Box is the applicant's State (that is, country) of residence if no State of residence is the applicant of the applicant of the address	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: BE	State (that is, country)	of residence:
		the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated of	n another continuation	sheet.

Sheet 1	NΙα		J	,	
SHOOL	IV.				

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.					
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence FOIDART, Jean-Michel sur la Heid, 3 B-4870 Trooz BE	address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: BE	State (that is, country, BE	of residence:			
This person is applicant for the purposes of: all designated States all designated the United States		the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence if the State of the State o	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: AT	State (that is, country, DE) of residence:			
This person is applicant all designated for the purposes of:		the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entire the address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence I no State of the State of the State of the I no State of the I	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
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This person is applicant all designated all designated	States except ates of America	the United States of America only the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residence	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of residence:			
	States except ates of America	the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated of	on another continuation	sheet.			

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- I. If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, theinventor or the inventor/applicant is not inventor for the
 purposes of all designated States or for the purposes of the
 United States of America: in such case, write "Continuation of
 Box No. II" or "Continuation of Box No. III" or "Continuation
 of Boxes No. II and No. III" (as the case may be), indicate the
 name of the inventor(s) and, next to (each) such name, the State(s)
 (and/or, where applicable, ARIPO, Eurasian, European or
 OAPI patent) for the purposes of which the named person is
 inventor:
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other patent grant or the date of filing of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of anearlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Brigitte EVRARD

Jean-Michel FOIDART

Hans-Willi KRELL

Gerd ZIMMERMANN

,	Si	heet No					
Box No. V DESIGNAT	IONS						
The filing of this request confiling date, for the grant of e	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.						
However,							
	esignated for any kind of natio						
KR Republic of Korea	is not designated for any kir	nd of national protection					
\	n is not designated for any ki						
the national law, of an earlie	be used to exclude (irrevocable or national application from w s in these and certain other St	hich priority is claimed. S	ned in order to avoid the see the Notes to Box No. V	ceasing of the effect, under 'as to the consequences of			
Box No. VI PRIORITY	CLAIM		· · · · · · · · · · · · · · · · · · ·				
The priority of the following	earlier application(s) is hereb	by claimed:					
Filing date	Number	V	Where earlier application	is:			
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office			
item (1) 01 April 2004 (01.04.04)	04007921.2		EP				
item (2)							
item (3)							
Further priority claims	are indicated in the Suppleme	ental Box.					
The receiving Office is requested the earlier application was fabove as:	ested to prepare and transmit tilled with the Office which for t	to the International Bureau the purposes of this interna	a certified copy of the eational application is the r	rlier application(s) (only if ecceiving Office) identified			
	tem (1) item (2	2) item (3)	other, s	ee Supplemental Box			
* Where the earlier applicat Industrial Property or one M	ion is an ARIPO application, i Iember of the World Trade O	ndicate at least one countr rganization for which that	y party to the Paris Conve earlier application was fi	ention for the Protection of led (Rule 4.10(b)(ii)):			
	TIONAL SEARCHING AU						
Choice of International Se	earching Authority (ISA) (if the the Authority chosen; the two	two or more International : o-letter code may be used):	Searching Authorities are	competent to carry out the			
	arlier search; reference to t	that search (if an earlier s	earch has been carried oi	ut by or requested from the			
International Searching Aut. Date (day/month/year)	Num	ber Cour	ntry (or regional Office)				
02.11.04	0400)7921.2 E	P				
Box No. VIII DECLARA	TIONS						
The following declaration check-boxes below and indi	s are contained in Boxes Nos. cate in the right column the nu	. VIII (i) to (v) (mark the a mber of each type of declar	pplicable ration):	Number of declarations			
Box No. VIII (i)	Declaration as to the ident			:			
Box No. VIII (ii)	Declaration as to the appl date, to apply for and be g	icant's entitlement, as at the	ne international filing	÷			
Box No. VIII (iii)	Declaration as to the app	licant's entitlement, as at to of the earlier application	the international filing	:			
Box No. VIII (iv)	Declaration of inventorsh United States of America	ip (only for the purposes o	of the designation of the	: 1			
Box No. VIII (v)	Declaration as to non-pre	judicial disclosures or exce	eptions to lack of novelty	:			

Sheet No. 6 ...

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America) The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

for the purposes of the designation of	the United States of America:
I hereby declare that I believe I am the original, first and sole (if only only is listed below) inventor of the subject matter which is claimed and fo	one inventor is listed below) or joint (if more than one inventor r which a patent is sought.
This declaration is directed to the international application of which it	
This declaration is directed to international application No. PCT/ to Rule 26ter).	(if furnishing declaration pursuant
I hereby declare that my residence, mailing address, and citizenship at	re as stated next to my name.
I hereby state that I have reviewed and understand the contents of the a of said application. I have identified in the request of said application, in and I have identified below, under the heading "Prior Applications," b Organization, day, month and year of filing, any application for a patent States of America, including any PCT international application designath having a filing date before that of the application on which foreign prior of the states of the	n compliance with PCT Rule 4.10, any claim to foreign priority, by application number, country or Member of the World Trade tor inventor's certificate filed in a country other than the United ting at least one country other than the United States of America, iority is claimed.
Prior Applications: .European.Application.No04.007.921.2.0	
I hereby acknowledge the duty to disclose information that is kn 37 C.F.R. § 1.56, including for continuation-in-part applications, mater of the prior application and the PCT international filing date of the co	rial information which became available between the filing date
I hereby declare that all statements made herein of my own knowledge are believed to be true; and further that these statements were made w made are punishable by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the application or any	vith the knowledge that willful false statements and the like so 1001 of Title 18 of the United States Code and that such willful
Residence: Av. E. Digneffe, 60, B-4000 Liège, BE (city and either US state, if applicable, or country)	
Mailing Address: . same as above	
Citizenship: BE	
Inventor's Signature:	Date:
CATALDO, Didier	
Residence:	
Mailing Address: same as above	
Inventor's Signature:	Date:
This declaration is continued on the following sheet, "Continuati	on of Box No. VIII (iv)".

Sheet	No.		1.	

Continuation of Box No. VII	I (i) to (v)	DECLARATION

If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII ..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet the included in the space.

should not be included in	the request.	
Continuation of B	sox No. VIII (iv)	
	ENDELE, Richard Richard-Wagner-Strasse 39b, D-69259 Wi same as above	lhelmsfeld, DE
Citizenship:	DE	
Inventor's signate	ure:	Date:
Name: Residence: Mailing address:	EVRARD, Brigitte Grand Route 94, B-4537 Verlaine, BE same as above	
Citizenship:	BE	
inventor's signat	ure:	Date:
Residence:	FOIDART, Jean-Michel sur la Heid 3, B-4870 Trooz, BE same as above	
Citizenship:	BE	
Inventor's signat	ure:	Date:
	KRELL, Hans-Willi Zugspitzstrasse 14a, D-82377 Penzberg, same as above	DE
Citizenship:	AT	
Inventor's signat	ture:	Date:
Name: Residence: Mailing address	ZIMMERMANN, Gerd Rheinstrasse 9A, D-76351 Linkenheim, D : same as above	E
Citizenship:	DE	
Inventor's signa	ture:	_ Date:

Sheet No. ...8...

Box No. IX CHECK LIST; LANGUAGE C	of FILING	
This international application contains: (a) in paper form, the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
sheets: request (including	1. X fee calculation sheet	: 1
declaration sheets) : 8	2. original separate power of attorney	:
description (excluding	3. original general power of attorney	:
sequence listing and/or tables related thereto) : 39	4. 🔀 copy of general power of attorney; reference number, if any: .22.363	: 1
claims : 3	5. statement explaining lack of signature	
abstract : 1		
drawings :11_	item(s):	:
Sub-total number of sheets: 62 sequence listing: 0	7. I translation of international application into (language):	:
tables related thereto : 0	8. separate indications concerning deposited microorganism or other biological material	:
(for both, actual number of sheets if filed in paper form, whether or not also filed in	9. sequence listing in computer readable form (indicate type and number of carriers)	
computer readable form; see (c) below) ——————	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)):
Total number of sheets : 62	(ii) (only where check-box (b) (i) or (c) (i) is marked in left column)	
(b) ☐ only in computer readable form (Section 801(a)(i))	purposes of international search under Rule 13ter (iii) together with relevant statement as to the identity of the copy or	:
 (i) ☐ sequence listing (ii) ☐ tables related thereto 	copies with the sequence listing mentioned in left column	:
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listing (indicate type and number of carriers)	
(i) sequence listing	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international	
(ii) tables related thereto	application) (ii) (only where check-box (b) (ii) or (c) (ii) is marked in left column)	•
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:
sequence listing:	(iii) together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	•
tables related thereto:	11. (Security): Receipt for documents	: 1
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. Les other (speedy).	
Figure of the drawings which	Language of filing of the English	
should accompany the abstract:	international application: IT, AGENT OR COMMON REPRESENTATIVE	
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person si	gning and the capacity in which the person signs (if such capacity is notloovious from reading t	the request).
for Université de Liège	for F. Hoffmann-La Roche AG	
W. D.	700	
Dr. N. Antheunis (GA-No. 42122)		
	For receiving Office use only	
1. Date of actual receipt of the purpor ed international application:	03. 2005) 3 1 MAR 2005	ings: eived:
Corrected date of actual receipt due to later timely received papers or drawings comple	but	AVEU.
the purported international application:		received:
Date of timely receipt of the required corrections under PCT Article 11(2):		. 500170 u .
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:		
by the international buteau.		